

MAGNETIC ISOLATION AND PURIFICATION OF NUCLEIC ACIDS

ABSTRACT OF THE DISCLOSURE

A method for the isolation and purification of nucleic acids such as DNA,
5 RNA, and PNA from various sources using magnetizable cellulose or its derivatives.
Adjusting the concentrations of the salt and polyalkylene glycol to the levels that result in
binding of nucleic acids to the magnetizable cellulose or its derivatives. Separating the
nucleic acids bound to the magnetizable cellulose particles or its derivatives and eluting the
nucleic acids from the particles.

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